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## PATENT COOPERATION TREATY

## **PCT**

REC'D 1 1 OCT 2004

INTERNATIONAL PRELIMINARY EXAMINATION REPORTO

PCT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification	on of Transmittal of International xamination Report (Form PCT/IPEA/416)
F156522		Preminary E	
International application No.	International filing date (day/ma	onth/year)	Priority date (day/month/year)
PCT/US02/06659	26 March 2002 (26.03.2002)		
International Patent Classification (IPC)	or national classification and IPC		
IPC(7): F02M 43/02 and US Cl.: 123/30	4,575		
Applicant			
MOODY, JOHN, A.			
Examining Authority and	is transmitted to the applicant	according to A	
2. This REPORT consists of	a total of sheets, including	g this cover she	et.
which have been ame	ended and are the basis for thi	s report and/or :	description, claims and/or drawings sheets containing rectifications made inistrative Instructions under the PCT).
These annexes consist of a	total of sheets.		
3. This report contains indica	ations relating to the following	g items:	
I Basis of the rep	ort		
II Priority	•		,
III Non-establishm	ent of report with regard to n	ovelty, inventive	e step and industrial applicability
IV Lack of unity o	f invention		
V Reasoned stater applicability; ci	nent under Article 35(2) with tations and explanations supp	regard to novel orting such state	ty, inventive step or industrial
VI Certain docume			·
VII Certain defects	in the international applicatio	n	
VIII Certain observa	tions on the international app	lication	
·			
Date of submission of the demand	Da	te of completion	of this report
23 October 2003 (23.10.2003)	OG	September 2004 (	06.09.2004)
Name and mailing address of the IPEA/	US An	horized officer	.\/
Mail Stop PCT, Attn: IPEA/US	// 1	1-1	
Commissioner for Patents P.O. Box 1450	/ / Y	en Henry	•
Alexandria, Virginia 22313-1450	, I Tel	ephone No. (703	3) 308-0861
Facsimile No. (703) 305-3230 Form PCT/IPEA/409 (cover sheet)(July 1	1998)	<u></u>	



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International	application	No.

PCT/US02/06659

I.	Basi	s of the report
1.	With	regard to the elements of the international application:*
	$\boxtimes$	the international application as originally filed.
	$\boxtimes$	the description:
		pages 1-7 as originally filed
		pages NONE , filed with the demand pages NONE , filed with the letter of
	$\triangle$	the claims:
		pages 8-16 , as originally filed pages NONE , as amended (together with any statement) under Article 19
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
	$\boxtimes$	the drawings:
		pages 1, as originally filed
		pages NONE , filed with the demand pages NONE , filed with the letter of
		the sequence listing part of the description:
		pages NONE , as originally filed pages NONE , filed with the demand
		pages NONE , filed with the letter of
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the
	langu	uage in which the international application was filed, unless otherwise indicated under this item.
	Thes	e elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination(under Rules
		55.2 and/or 55.3).
3.		regard to any nucleotide and/or amino acid sequence disclosed in the international application, the
	inter	national preliminary examination was carried out on the basis of the sequence listing:
	$\vdash$	contained in the international application in printed form.
	Щ	filed together with the international application in computer readable form.
	$\square$	furnished subsequently to this Authority in written form.
	$\sqcup$	furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
	_	international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing
		has been furnished.
4.		The amendments have resulted in the cancellation of:
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/fig NONE
_		<del>_</del>
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
thi.	s repo	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in ort as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). Teplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.
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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US02/06659

. STAT	EMENT			
	Novelty (N)	Claims	2-6 11 15-19 24 28 29	YES
	1.0.019 (1.)		1 7-10 12-14 20-23 25-27 30-32	NO
	Inventive Step (IS)		NONE	YES NO
		Claims	1-32	NO
	Industrial Applicability (IA)	Claims	1-32	YES
			NONE	NO
ntermitte	nt pump (16), and the low octane fuel co	omponent is supported to the re-	The high-octane fuel component is supplied by a variable pressure pump (15), to a station speed and loads of the engine (20), de	tuel injector (17) of the elements of the composition of the proportion of the proportion of the composition
variable p Claims 2- Chan II.S	mponents supplied to the engine (20) according to the engine (20) accordin	cording to the id d proportion is a entive step under al. failed to show	entified running region and controls a discharchieved.  r PCT Article 33(3) as being obvious over II with the duel tank as claimed in application. How	yama et al in view of
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